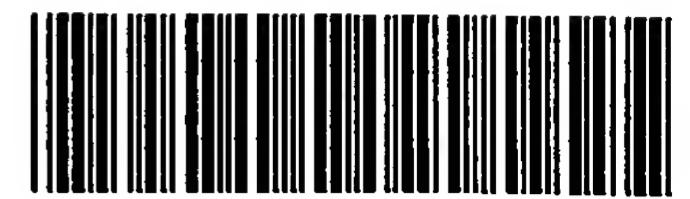


RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/602,544A
Source: IFW00
Date Processed by STIC: 03/21/2007

ENTERED



IFWO

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/602,544A

DATE: 03/21/2007

TIME: 09:10:43

Input Set : A:\MTN27VC1.APP

Output Set: N:\CRF4\03212007\J602544A.raw

5 <110> APPLICANT: LIANG, LI-FANG
 7 <120> TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR PROMOTER AND USES
 8 THEREFOR
 10 <130> FILE REFERENCE: MTN-027DV1CN
 12 <140> CURRENT APPLICATION NUMBER: 10/602,544A
 13 <141> CURRENT FILING DATE: 2003-06-23
 15 <150> PRIOR APPLICATION NUMBER: 09/632,879
 16 <151> PRIOR FILING DATE: 2000-08-04
 18 <150> PRIOR APPLICATION NUMBER: 60/092,865
 19 <151> PRIOR FILING DATE: 1998-07-15
 21 <150> PRIOR APPLICATION NUMBER: 60/123,270
 22 <151> PRIOR FILING DATE: 1999-03-08
 24 <150> PRIOR APPLICATION NUMBER: 09/354,409
 25 <151> PRIOR FILING DATE: 1999-07-15
 27 <160> NUMBER OF SEQ ID NOS: 11
 29 <170> SOFTWARE: PatentIn Ver. 3.3
 32 <210> SEQ ID NO: 1
 33 <211> LENGTH: 649
 34 <212> TYPE: DNA
 35 <213> ORGANISM: Homo sapiens
 37 <400> SEQUENCE: 1
 38 actagtatca taatcttaac ttttaattca ggttttccta atttttatcc tcctaattac 60
 39 ttggcactaa aaataattta atacaacaaa taaaaatatt ttctacttca aataacttgcc 120
 40 taaacaatat aaaatcattt tagttttga ggaagtaata tttcatattt taaatatgta 180
 41 gtataaaatta aaattgactt atttaaatta caataagagt tgtgtgagga ttagtaagat 240
 42 ttaagtacag tttatattat tgccaacata gactttgtt tttcaaattgt cacaatatc 300
 43 ttttattatt tgtagattta tttcttttat gaagtagtca aatgaatcag ctcacccttg 360
 44 actgtaacaa aataactgctt ggtgacttgg gacagacagg gtttaacct ctgacagcga 420
 45 gattcattgt ggagcaagag ccaatcatag atcctgacga cacttgtctc atctaagttg 480
 46 gaatataaaa agccacttgg aatacagtat aaaagattca ctggtgtggc aagttgtctc 540
 47 tcagactgta catgcattaa aattttgctt ggcattactc aaaagcaaaa gaaaagtaaa 600
 48 aggaagaaac aagaacaaga aaaaagatta tattgattt aaaatcatg 649
 50 <210> SEQ ID NO: 2
 51 <211> LENGTH: 44
 52 <212> TYPE: DNA
 53 <213> ORGANISM: Homo sapiens
 55 <400> SEQUENCE: 2
 56 gagctttctt ttatgaagta gtcaaattgaa tcagctcacc cttg 44
 59 <210> SEQ ID NO: 3
 60 <211> LENGTH: 44
 61 <212> TYPE: DNA
 62 <213> ORGANISM: Homo sapiens
 64 <400> SEQUENCE: 3

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/602,544A

DATE: 03/21/2007
TIME: 09:10:43

Input Set : A:\MTN27VC1.APP
Output Set: N:\CRF4\03212007\J602544A.raw

65 gagcgttta acctctgaca gcgagattca ttgtggagca agag 44
68 <210> SEQ ID NO: 4
69 <211> LENGTH: 396
70 <212> TYPE: DNA
71 <213> ORGANISM: Mus musculus
73 <400> SEQUENCE: 4
74 gtacagttta tattagtaca cagactcaa tttatcaaata gtcacatata tctttcatga 60
75 tttggggatt tatttcattt atgaagtatg caaatgaatc agcttgccct cgactgtAAC 120
76 aaaatactgc ttgggtgactt gtgacagaca gggtttaaac ctctgacagc gagattcatt 180
77 gtggagcagg agccaatcat agatcctgac gacacttgac tcctctaagt tgaaatataa 240
78 aaagccactt ggaatacagt atacaggact ccctggcgtg gcaggttgac tctcggacgg 300
79 tacatgcact aatatttcac ttggcattac tcaaaaagcaa aaagaagaaa taagaacaag 360
80 ggaaaaaaaaa agatttgct gattttaaa atgatg 396
83 <210> SEQ ID NO: 5
84 <211> LENGTH: 799
85 <212> TYPE: DNA
86 <213> ORGANISM: Gallus gallus
88 <220> FEATURE:
89 <221> NAME/KEY: modified_base
90 <222> LOCATION: (9)..(9)
91 <223> OTHER INFORMATION: a, c, g or t
93 <220> FEATURE:
94 <221> NAME/KEY: modified_base
95 <222> LOCATION: (30)..(30)
96 <223> OTHER INFORMATION: a, c, g or t
98 <220> FEATURE:
99 <221> NAME/KEY: modified_base
100 <222> LOCATION: (32)..(32)
101 <223> OTHER INFORMATION: a, c, g or t
103 <220> FEATURE:
104 <221> NAME/KEY: modified_base
105 <222> LOCATION: (50)..(50)
106 <223> OTHER INFORMATION: a, c, g or t
108 <220> FEATURE:
109 <221> NAME/KEY: modified_base
110 <222> LOCATION: (55)..(55)
111 <223> OTHER INFORMATION: a, c, g or t
113 <220> FEATURE:
114 <221> NAME/KEY: modified_base
115 <222> LOCATION: (92)..(92)
116 <223> OTHER INFORMATION: a, c, g or t
118 <220> FEATURE:
119 <221> NAME/KEY: modified_base
120 <222> LOCATION: (114)..(114)
121 <223> OTHER INFORMATION: a, c, g or t
123 <220> FEATURE:
124 <221> NAME/KEY: modified_base
125 <222> LOCATION: (146)..(146)
126 <223> OTHER INFORMATION: a, c, g or t

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/602,544A

DATE: 03/21/2007
TIME: 09:10:43

Input Set : A:\MTN27VC1.APP
Output Set: N:\CRF4\03212007\J602544A.raw

```

128 <220> FEATURE:
129 <221> NAME/KEY: modified_base
130 <222> LOCATION: (149)..(149)
131 <223> OTHER INFORMATION: a, c, g or t
133 <220> FEATURE:
134 <221> NAME/KEY: modified_base
135 <222> LOCATION: (151)..(151)
136 <223> OTHER INFORMATION: a, c, g or t
138 <220> FEATURE:
139 <221> NAME/KEY: modified_base
140 <222> LOCATION: (154)..(154)
141 <223> OTHER INFORMATION: a, c, g or t
143 <220> FEATURE:
144 <221> NAME/KEY: modified_base
145 <222> LOCATION: (158)..(158)
146 <223> OTHER INFORMATION: a, c, g or t
148 <220> FEATURE:
149 <221> NAME/KEY: modified_base
150 <222> LOCATION: (161)..(161)
151 <223> OTHER INFORMATION: a, c, g or t
153 <400> SEQUENCE: 5
W--> 154 ttcgttatnt aatttgctgc ccaggattn gntgacaaag gcaaactgg 60
      agggtccaca cttagttaat gaattttgat antaaaggc ccaatagtta gcantttat 120
      tcacacgtga acaaaatgtt tattcntgnt nacntagnac ntatcaggaa aacctatcat 180
      gattttctga aatctgagct gcttaatgca cgtgaactgt tgaacagcat ggattcctcg 240
      tgtttgcaat gtattttataa tgtattttt tcccctcctc ctaacagaaa tccctcagaa 300
      ttttccttga ggttagtacaa acttcagcc acaatagtga tagaattcta aaggaaccct 360
      aaaagagagc tctgcctcaa ttcatagtcc aactatgcgt tcagtgtata tttaagaatg 420
      atagtgtgt ctcccagcac tgctgcccatt agtacttggaa aatatacct ttcagtatgt 480
      gaagacgtat cctttacgaa gccaccatatt aaatcagttc acccttggct gtaaccaa 540
      gctgtctgt gacttgtat cgacagggtt ttaacctctg acagctagat tcattttgg 600
      gacaacaacc aatcgctgg 660
      164 gacaacaacc aatcgctgg 660
      165 ccccttggca tatataaggc acaccagtgt ggcaagccgt ctctcagatt gcatttgctg 720
      166 tcacggatct gtttagaact gaaagaaaag gggaaaggaa gaggggggaa aaaagggcaa 780
      167 aaagctgcag tgactgtaa 799
169 <210> SEQ ID NO: 6
170 <211> LENGTH: 158
171 <212> TYPE: DNA
172 <213> ORGANISM: Homo sapiens
174 <400> SEQUENCE: 6
175 gaagtagtca aatgaatcag ctcacccttg actgtAACAA aatactgctt ggtgacttgg 60
176 gacagacagg gtttaacct ctgacagcga gattcatgtt ggagcaagag ccaatcatag 120
177 atcctgacga cacttgtctc atctaagtttgaatataa 158
179 <210> SEQ ID NO: 7
180 <211> LENGTH: 158
181 <212> TYPE: DNA
182 <213> ORGANISM: Mus musculus
184 <400> SEQUENCE: 7
185 gaagtagtca aatgaatcag cttgccctcg actgtAACAA aatactgctt ggtgacttgg 60

```

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/602,544A

DATE: 03/21/2007
TIME: 09:10:44

Input Set : A:\MTN27VC1.APP
Output Set: N:\CRF4\03212007\J602544A.raw

186 gacagacagg gtttaacct ctgacagcga gattcattgt ggagcaggag ccaatcatag 120
187 atcctgacga cacttgtctc ctctaagtgt gaatataa 158
189 <210> SEQ ID NO: 8
190 <211> LENGTH: 156
191 <212> TYPE: DNA
192 <213> ORGANISM: Sus scrofa
194 <400> SEQUENCE: 8
195 gaagtagtca aatgaatcag ctcacccttg actgtaacaa aatactgtt ggtgacttgt 60
196 gacagacagg gtttaacct ctgacagcga gattcattgt ggagcaagag ccaatcatag 120
197 atcctgacga cacttgtctc atcaagtggaa atataa 156
199 <210> SEQ ID NO: 9
200 <211> LENGTH: 159
201 <212> TYPE: DNA
202 <213> ORGANISM: Gallus gallus
204 <400> SEQUENCE: 9
205 gaagccagga tataaatcag ttcacccttg gctgtaacca aatgctgtct agtgacttgt 60
206 gatcgacagg gcttaacct ctgacagcta gattcattgt tgggacaaca accaatcg 120
207 ggtttgacg acatgagcct aatcaaaggaa ggagtataa 159
211 <210> SEQ ID NO: 10
212 <211> LENGTH: 44
213 <212> TYPE: DNA
214 <213> ORGANISM: Homo sapiens
216 <400> SEQUENCE: 10
217 gctccaagg tgagctgatt cattgacta cttcataaaaa gaaa 44
219 <210> SEQ ID NO: 11
220 <211> LENGTH: 44
221 <212> TYPE: DNA
222 <213> ORGANISM: Homo sapiens
224 <400> SEQUENCE: 11
225 gctcctcttg ctccacaaatg aatctcgctg tcagaggtt aaac 44

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/602,544A

DATE: 03/21/2007
TIME: 09:10:45

Input Set : A:\MTN27VC1.APP
Output Set: N:\CRF4\03212007\J602544A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:5; N Pos. 9,30,32,50,55,92,114,146,149,151,154,158,161

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/602,544A

DATE: 03/21/2007

TIME: 09:10:45

Input Set : A:\MTN27VC1.APP

Output Set: N:\CRF4\03212007\J602544A.raw

L:154 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
M:341 Repeated in SeqNo=5